

## ECS Configuration Change Request

Page 1 of 3 Page(s)

1. Originator Evan Winston	2. Log Date: 1/5/01	3. CCR #: <i>01-0008</i>	4. Rev: -	5. Tel: 301.925.0348	6. Rm #: 2013	7. Dept. DEV/CO
8. CCR Title: Test Executable 5B.06_DPS.05 to DAACs, VATC <i>ref</i> Adds clean maintmachine scripts, adds PM1EPHD, and 29981- restores value of file size.						
9. Originator Signature/Date <i>Evan Winston 1/5/2001</i>		10. Class <i>II</i>	11. Type: CCR	12. Need Date: 01/05/2001		
13. Office Manager Signature/Date <i>Evan Winston for Tim O'Neil 1/5/2001</i>		14. Category of Change: Update ECS Baseline Doc.		15. Priority: (If "Emergency" fill in Block 28). Emergency		
16. Documentation/Drawings Impacted: N/A		17. Schedule Impact: N/A		18. CI(s) Affected:DPS		
19. Release Affected by this Change: 5B		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: NCRs ECSed 29981, 29195, 28865, 28299						
23. Problem: (use additional sheets if necessary) 29981: Restore the value of file size so it won't be incremented when there isn't enough disk space available. 29185 Added to the PM-1 DPREP PM1EPHD ESDT ODL file the following information: PERIOD, BOUNDARY, DURATION, DELAY, and SPATIAL_FLAG. DYNAMIC_FLAG is set to "EXTERNAL" also. ECSed 28865 The script now resets the online state to zero if the corresponding parameter is supplied, indicating that it needs to reset it. Also it checks for sybase, quitting if sybase is not found. In addition it warns the user that this script is to be run on the queing server. 28299A script to remove all the files pertaining to a computer (science processor)						
24. Proposed Solution: (use additional sheets if necessary) Test Executable 5B.06_DPS.05 will provide fixes to the problems listed above. TE can be loaded on top of DPS installations of 5B.06. This TE will replace TE 5B.06_DPS.03 and DPS.04.  NOTE: The Proper 5B DPREP Version Numbers Are: AM1 = 30006 and PM1 = 00105 (this is what is provided with this TE). 6A Version Numbers are: AM1 = 30101 and PM1 = 00201 (these are not intended for 5B software installations).						
25. Alternate Solution: (use additional sheets if necessary) Take no action now and wait until 5B.07 is available.						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) DAACs must continue to work around the problems and/or modify operating procedures.						
27. Justification for Emergency (If Block 15 is "Emergency"): addresses several items on the ECS Top Priority List.						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input checked="" type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input checked="" type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. EDF/SCDV CCB Chair (Sign/Date): <i>Brian Peters 1/5/01</i>		Disposition: <input checked="" type="radio"/> Approved App/Com. <input type="radio"/> Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
33. M&O CCB Chair (Sign/Date): <i>Frank 1/5/01</i>		Disposition: <input checked="" type="radio"/> Approved App/Com. <input type="radio"/> Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS				
34. ECS CCB Chair (Sign/Date):		Disposition: <input type="radio"/> Approved App/Com. <input type="radio"/> Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS				

CM01JA00

ECS/EDF/SCDV/M&amp;O

## ADDITIONAL SHEET

CCR #: **01-0008** Rev: — Originator: Evan Winston

Telephone: 301.925.0348

Office: DEV/CO

**Title of Change:** Test Executable 5B.06\_DPS.05 to DAACs, VATC, PVC. Adds clean maintmachine scripts, adds PM1EPHD, and 29981- restores value of file size.

### CONTENT:

CM:

Please generate two SGI tar files - one for sgi6n32 and one for irix65 - from the 5B maintenance branch for the .EcDpScSCNCPRCS.pkg package.

Also generate a SUN TAR file for all the ODL files:  
.EcDpAITWS.pkg

SMC: distribute to the DAACs.

DAAC Install Instructions:

Changes requested by GSFC and LaRC--

This TE, 5B.06\_DPS.05 must be used on top of 5B.06 installations. This TE obsoletes TE 5B.06\_DPS.03 and DPS.04

This TE is to be loaded over Science Processing (DPS) installations of 5B.06.

This TE is required at GSFC and LaRC, other sites install as needed.

NOTICE: !!!!!This TE has 2 sets of SGI tar files - one to be used with sgi6n32 installs and one to be used with irix65 installs!!!!!!

Pick the required tar file for either IRIX 6.2 or IRIX 6.5 OS.

1. Get TAR Files from SMC distribution;

Make sure you select the proper SGI TAR files--either for 6n32 or IRIX65.

Also get the SUN TAR file (with the ODL files).

2. UNTAR the files and copy to the staging area.

3. On a SUN host, use E.A.S.I. to perform automated installation of the .EcDpScSCNCPRCS.pkg and the .EcDpAITWS.pkg packages as follows:

- a. Select the Mode to be installed
- b. Enter the location of the staged files
- c. Select CUSTOM and Click Next
- d. Select the "Subsystem" entry in the "Sort By" box.
- e. Expand the tree down by the DPS icon and then by holding the shift key select the EcDpSc and EcDpAt icons.
- f. You will have Selected both the .EcDpScSCNCPRCS.pkg and the .EcDpAITWS.pkg packages; Click Next.
- g. Select Install as the Installation Phase and Click Next
- h. Select STAGE as the Source File Location . Click Next
- i. Review the packages and hosts as displayed to ensure that they are going to be installed appropriately. Click Next
- j. Click COMM and ensure all DPS SGI and Sun hosts turn green, signaling they are communicating with ECS E.A.S.I.
- k. Click INSTALL and monitor each host. Ensure each DPS SGI and Sun host turns green signaling a successful installation.

Detailed Summary of fixes and information for checkout testing:

ECsed28981

Summary of NCR fix:

Restore the value of fileSize so it won't be incremented when there isn't enough disk space available.

Files in Task:

/ecs/formal/PDPS/DPS/PRONG/src/RsrcMgmt/DpPrResourceManager.cxx

ECsed29158

Summary of NCR fix:

Added to the PM-1 DPREP PM1EPHD ESDT ODL file the following information: PERIOD, BOUNDARY, DURATION, DELAY, and SPATIAL\_FLAG. DYNAMIC\_FLAG is set to "EXTERNAL" also.

Files in Task:

/ecs/formal/PDPS/DPS/data/ODL/ESDT\_PM1EPHD#001.odl

ECsed28865

Summary of NCR fix:

The script now resets the onlinestate to zero if the corresponding parameter is supplied, indicating that it needs to reset it. Also it checks for sybase, quitting if sybase is not found. In addition it warns the user that this script is to be run on the queuing server.

Files in Task:

/ecs/formal/PDPS/DPS/PRONG/scripts/EcDpPrCleanMaintMachineFiles.pl

/ecs/formal/PDPS/DPS/PRONG/scripts/EcDpPrCleanMaintMachineFiles.pl

Test Instructions for Checkout Lab:

- a) In the mode where the test is to be done, schedule one or two plans with lots of DPRs.
- b) When some DPR's have finished and others are halfway through open the registry GUI for the mode; Look for the box corresponding to the queuing server (the server running job management), find Job Management, and click on it. When the parameters appear to the right, reset the value of DpPrAutosysMaxJobs to zero after noting down it's initial value. Kill job management for that mode and restart it.
- c) When all the DPR's go out of the box and the system is quiet, copy the script into a test directory and run it against the mode, choosing a science processor which is supposed to go down. RUN IT ON THE MACHINE ON WHICH JOB MANAGEMENT IS RUN!
- d) After the run open the registry and reset the value of DpPrAutosysMaxJobs to it's original value. Kill Job management and restart it.

The rest of the dprs should run on the other science processor without failing.

ECsed28299

Summary of NCR fix:

A script to remove all the files pertaining to a computer (science processor) from the database and also from the computer that was requested. This is the script EcDpPrCleanMaintMachineFiles.pl

Reason for Merge: newfunc Capability ID: Script

Files in Task:

/ecs/formal/PDPS/DPS/PRONG/.EcDpPrQUESRVR.iu@ @/main/relb/pacharya\_ECsed282995B/1

/ecs/formal/PDPS/DPS/PRONG/scripts/EcDpPrCleanMaintMachineFiles.pl@ @/main/pacharya\_ECsed282995B/1

/ecs/formal/PDPS/DPS/PRONG/scripts@ @/main/relb/maint\_DROP5B/pacharya\_ECsed282995B/1

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